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PHOTOGRAPHIC INTERPRETATION REPORT

S-17657

MOSCOW GUIDED MISSILE PLANT AND EXPERIMENTAL STATION KALININGRAD NO 88, USSR

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DECLASSIFICATION REVIEW by NIMA/DOD 5/16/00



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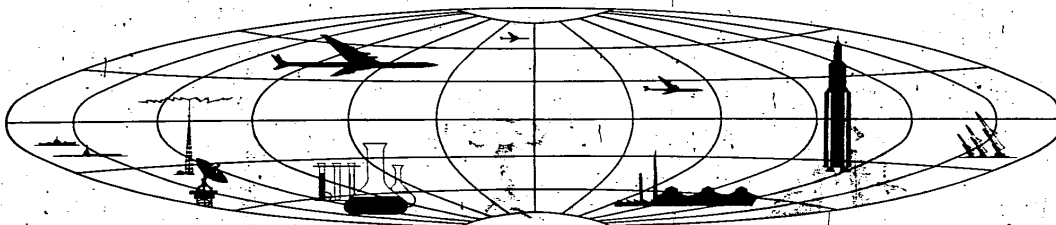


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**MOSCOW GUIDED MISSILE PLANT AND EXPERIMENTAL STATION
KALININGRAD NO 88, USSR**

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SUMMARY

The Moscow Guided Missile Plant and Experimental Station Kaliningrad No 88, USSR, consists of 3 individually secured areas. These areas are the Missile Plant No 88, the Central Design Bureau for Space and Intercontinental Missiles, and the probable location of the Scientific Research Institute No 88 (NII 88). The entire installation contains 33 major and approximately 60 minor buildings with a total roof coverage of about 3.3 million square feet.

The most significant structures in the installation are 2 towers in the missile plant, one 245 by 130 by 160 feet high and the other 130 by

80 by 105 feet high. The smaller tower has been reported to be a hydrostatic test facility 32 meters (105 feet) high, and the larger is capable of handling missiles either vertically or horizontally. Other significant facilities include a possible test building in the Central Design Bureau, a fabrication and assembly building with a high-bay section 425 by 115 by 75 feet high in the missile plant, and a newly completed high-bay structure 215 by 80 by 70 feet high in the research institute area. In addition, each of the areas contains its own assembly/fabrication buildings, shops, engineering offices, and possible laboratory facilities.

The only significant additions are

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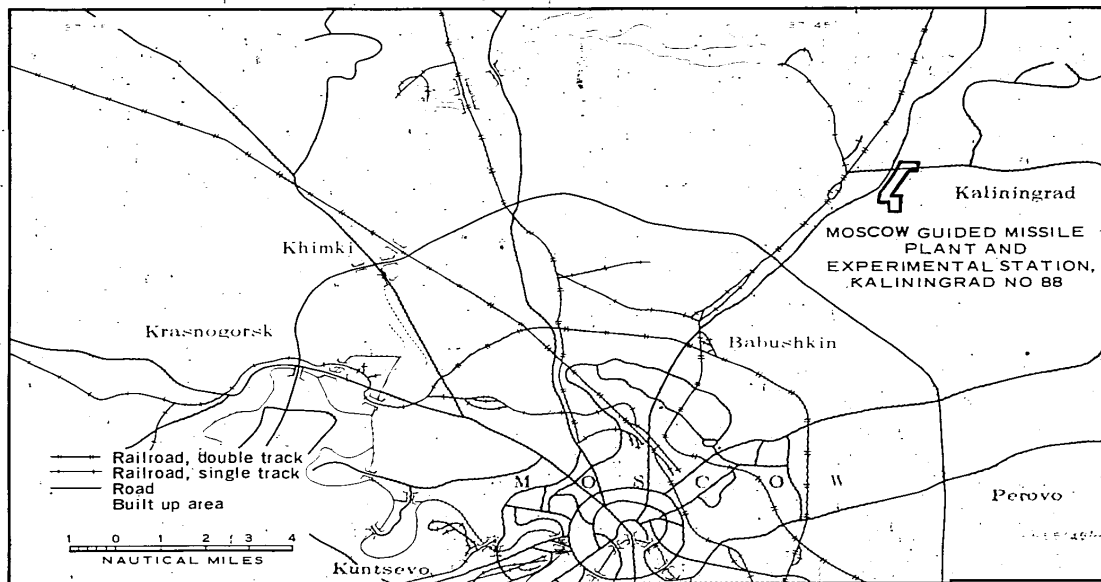


FIGURE 1. LOCATION MAP.

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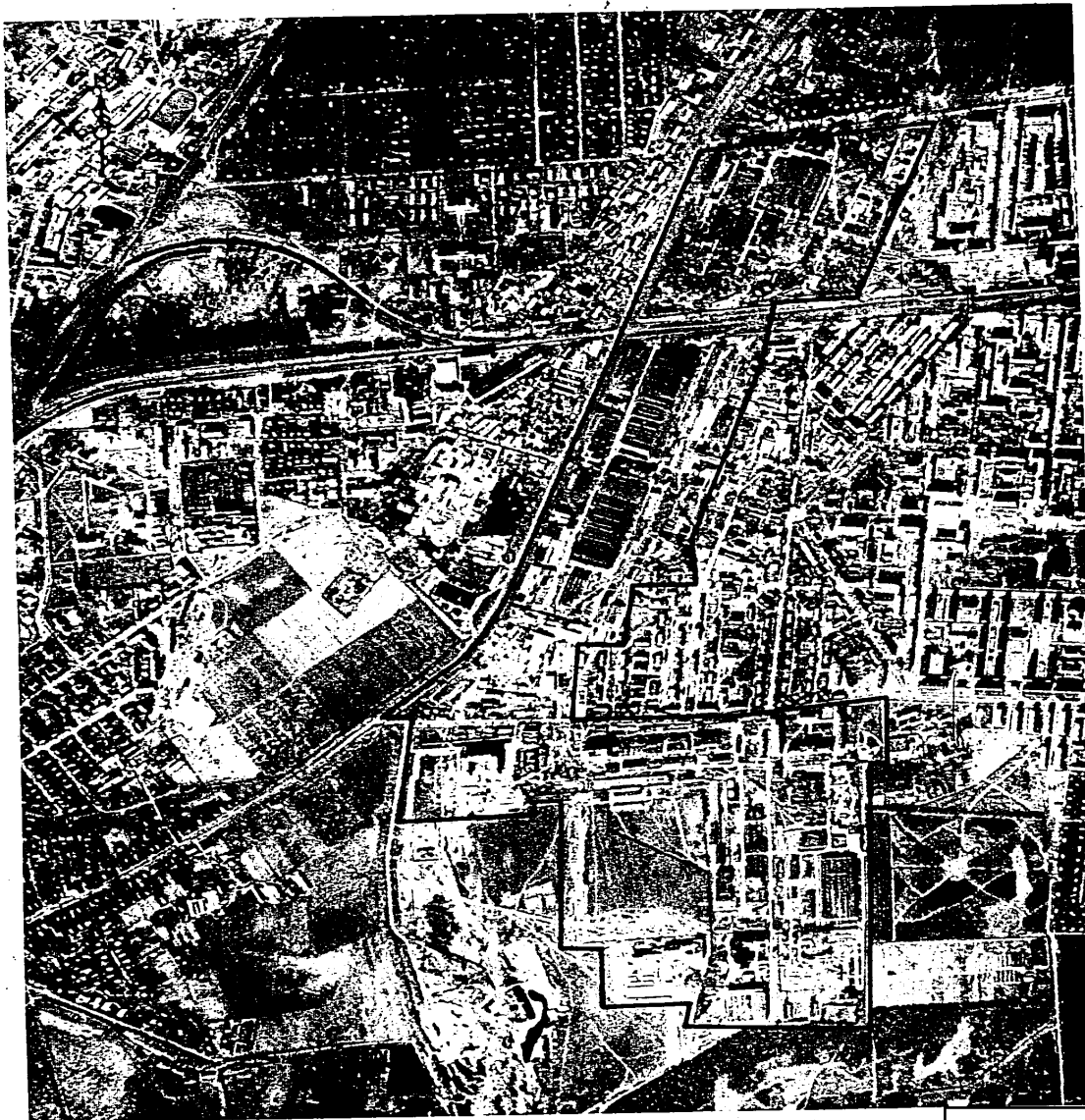


FIGURE 2. MOSCOW GUIDED MISSILE PLANT AND EXPERIMENTAL STATION KALININGRAD NO 88, USSR

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in the probable research institute area. These include the high-bay structure previously mentioned [redacted] an assembly/fabrication building [redacted] and a large shop [redacted]

Kaliningrad Airfield, is the probable location of the Scientific Research Institute No 88 (Post Box 989). A photograph of the installation is shown on Figure 2 and a line drawing on Figure 4. Descriptions and dimensions of the principal structures are presented in Table 1 which is keyed to Figure 4.

The primary source used in studying the installation is [redacted] photography taken

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INTRODUCTION

The Moscow Guided Missile Plant and Experimental Station Kaliningrad No 88, USSR [redacted] is located at 55-55-25N 037-48-00E, 11 nautical miles (nm) northeast of the center of Moscow (Figure 1). Alternate names for the installation include: 1) Scientific Research Institute and Experimental Factory 88 for Guided Missile Development, Moscow/Kaliningrad, 2) NII 88, and 3) Moscow Missile Development Plant, No 88, Kaliningrad.

The Kaliningrad installation is composed of 3 adjoining areas, each separately secured. Missile Plant No 88 (Post Box 924) occupies the central area, and the Central Design Bureau for Space and Intercontinental Rockets (Post Box 651) occupies the northern area. The southern area, which is the site of the former Moscow /

Missile Plant No 88 occupies an area approximately 4,000 by 1,500 feet. It contains 17 major buildings and approximately 20 minor structures. The major buildings have a total roof coverage of about 1,488,000 square feet. Two large fabrication and assembly buildings (items 9 and 15, Figure 4) represent 55 percent of this total or about 824,000 square feet.

MISSILE PLANT

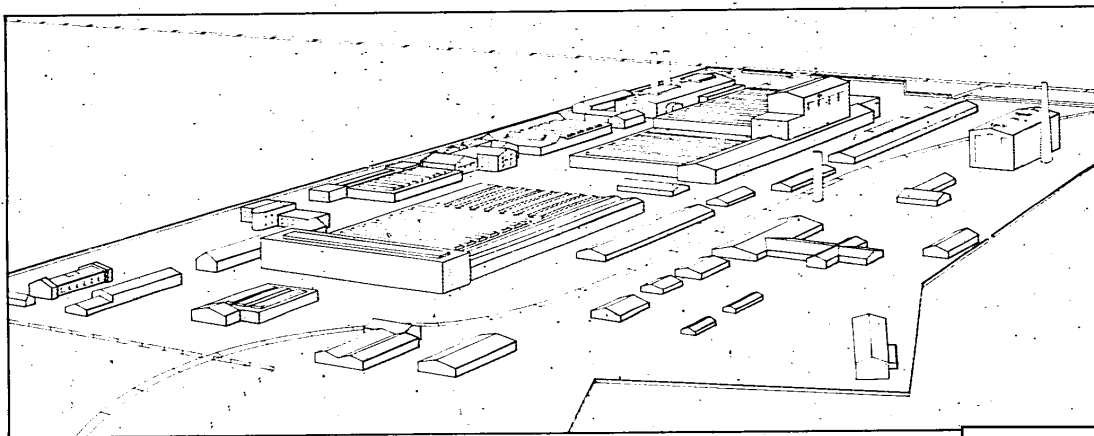


FIGURE 3. PERSPECTIVE VIEW OF MISSILE PLANT NO 88 (POST BOX 924).

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Table 1. Descriptions and Dimensions of Principal Facilities
(Item numbers are keyed to Figure 4)

Item	Description	Length* (ft)	Width* (ft)	Roof Coverage (sq ft)
CENTRAL DESIGN BUREAU				
1	Office bldg, 5 & 3 stories		Irregular	58,600
2	Possible test bldg, steel frame brick, 2 longitudinal bays: 290 x 80 x 80 ft high, 290 x 35 x 45 ft high; 2 towers, 35 x 35 x 80 ft high	290	145	33,350
3	Fabrication assembly bldg	480	415	199,200
4	Shop		Irregular	31,600
5	Possible forge foundry	205	115	23,000
6	Possible shop		Irregular	42,300
Central Design Bureau Total:				388,050
MISSILE PLANT				
7	Probable forge, 50 ft high	490	170	70,400
8	Probable foundry	335	205	68,700
9	Fabrication assembly checkout bldg, 70 & 40 ft high (includes roof monitors); highbay 245 x 130 x 160 ft high, high bay 130 x 80 x 105 ft high	1,090	435	458,100
10	Probable storage bldg	980	100	74,100
11	Steamplant	310	150	31,400
12	Steamplant	240	90	21,600
13	Engineering bldg, 3 sections; possible test laboratory; probable engineering offices, 2 stories; shop	390	210	77,100
14	Transformer house	--	--	--
15	Fabrication assembly bldg; 30 & 20 ft high (20 & 15 ft at eaves); high bay 425 x 115 x 75 ft high	425	90	365,600
16	Possible storage bldg	515	70	36,000
17	Possible shop and storage bldg		Irregular	55,100
18	Probable engineering bldg, 3 stories	400	65	26,000
19	Probable engineering bldg, 3 stories	290	75	21,700
20	Probable engineering bldg, 3 & 2 stories	380	70	26,600
21	Shop	250	160	47,500
22	Possible shop	230	110	25,300
23	Possible shop	200	110	22,000
24	Possible sawmill	--	--	--
25	Possible shop with possible conveyor alongside	415	200	60,700
Missile Plant Total:				1,487,900
RESEARCH INSTITUTE				
26	Office bldg, multi-story		Irregular	36,000
27	New high-bay possible assembly checkout bldg and shops; high-bay section 215 x 80 x 70 ft high	705	110	77,500
28	Possible shop	200	110	22,000
29	Office bldg, multi-story	390	65	25,400
30	Office bldg, multi-story	410	65	26,600
31	Possible laboratory	375	155	99,000
32	Probable shop	310	140	40,700
33	Assembly fabrication bldg	630	300	189,000
34	New shop bldg	310	195	38,900
35	Assembly fabrication bldg	350	325	112,950
Research Institute Total:				668,050
Others:				756,000
Total roof coverage:				3,300,000

*Overall dimensions.

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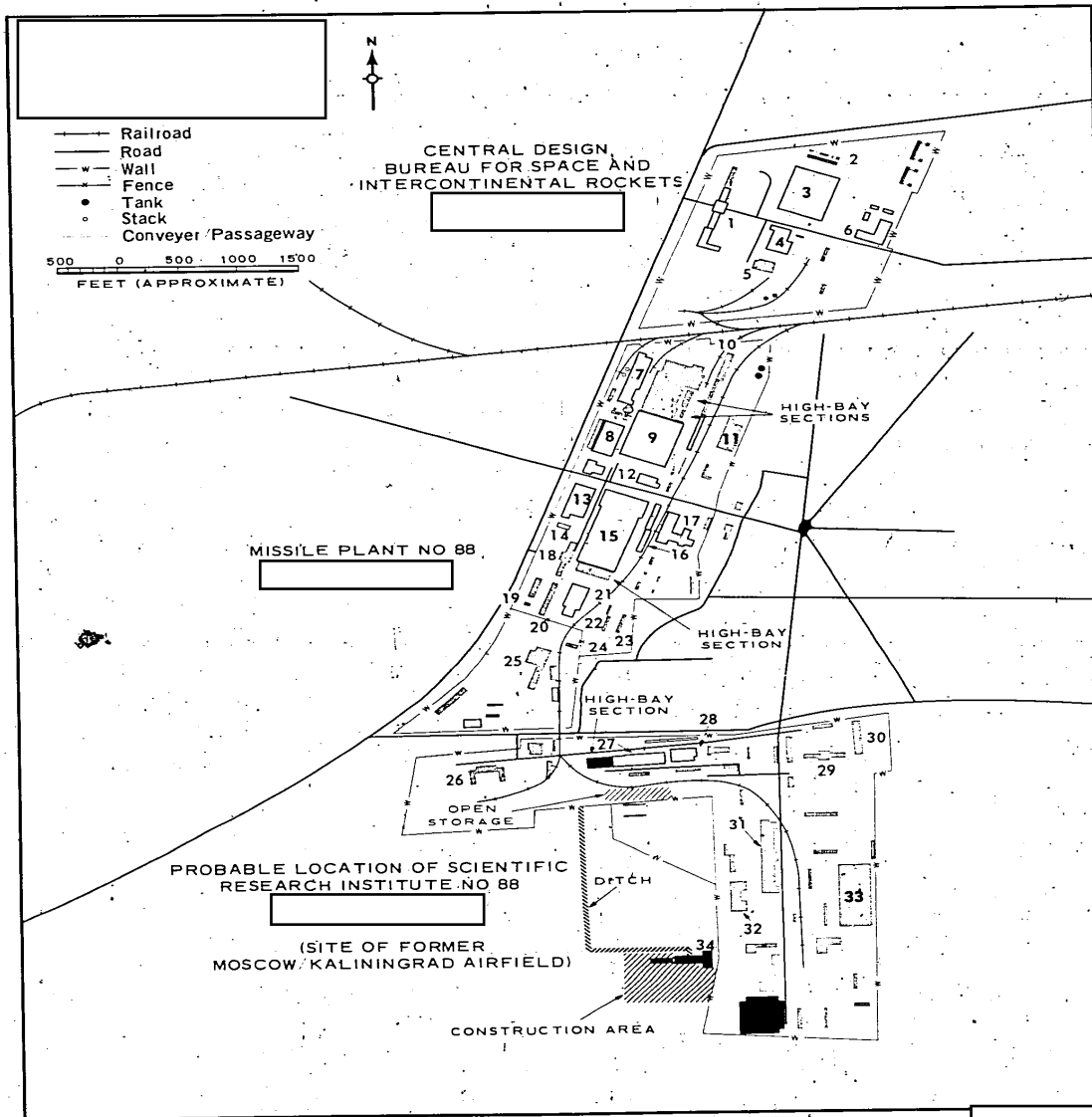


FIGURE 4. MOSCOW GUIDED MISSILE PLANT AND EXPERIMENTAL STATION KALININGRAD NO 88, USSR.

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Both of these buildings have high bays capable of being used for missile assembly.

The larger fabrication and assembly building (item 9) contains 2 high-bay sections or towers which give it a missile checkout capability. The higher tower, under construction

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and probably completed measures 245 by 130 feet and is 160 feet high. It has a steel frame structure with brick facing.

This tower is capable of handling missile assemblies vertically and/or horizontally. The other tower, reportedly completed measures 130 by 80 feet and is 105 feet high.

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The measured height of this tower agrees with a collateral report that the tower is 32 meters (105 feet) high and was designed for hydrostatic testing.

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The southern half of this building was present it contains at least 3 halls and has an overall height of 40 feet, including roof monitors estimated to be 10 feet in height.

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The northern half of the building was built and contains at least 4 halls in addition to the 2 high bays with an overall height of 70 feet including 10-foot roof monitors.

The other large fabrication and assembly building (item 15) contains 2 or 3 halls and a high-bay section. The high bay, added during

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measures 425 by 115 feet and is 75 feet high. The rest of the building was present

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Its roofs (2 levels) are 30 and 20 feet high (including the roof monitors) or about 20 and 15 feet high at their eaves.

Other significant facilities of Missile Plant No 88 include shops, a transformer house, steamplants, a probable forge, a probable foundry, administrative buildings, engineering buildings, and storage buildings. The plant area is individually fenced. An inner fence secures a separate section in the southern end of the plant area which contains storage buildings and a possible sawmill. The plant is served by 4 rail

spurs, and 1 spur extends south into the research institute area. A perspective drawing of Missile Plant No 88 is presented on Figure 3; this drawing excludes most of the separately fenced southern section of the plant area.

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CENTRAL DESIGN BUREAU

The Central Design Bureau for Space and Intercontinental Rockets occupies an individually secured area approximately 1,700 by 1,700 feet (Figure 4).

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The area was formerly known as the Central Artillery Design Bureau. The Central Design Bureau contains 6 major buildings and approximately 12 minor structures. The major buildings have a total roof coverage of about 388,000 square feet. Significant facilities include a possible test building, a fabrication and assembly building, a possible forge foundry, shops, and a large office building. The installation is rail served.

The possible test building (item 2, Figure 4) was built It is possibly the steel-frame building seen under construction on ground photography.

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The building consists of 2 longitudinal bays. The higher bay is approximately 290 by 80 feet and 80 feet high; the lower bay is approximately 290 by 35 feet and 45 feet high. Two towers, each about 35 by 35 feet, rise from the lower bay to a height of about 80 feet.

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RESEARCH INSTITUTE

The research institute, probably the Scientific Research Institute No 88, is located on the former Moscow/Kaliningrad Airfield. The installation is individually secured and occupies an area approximately 4,000 by 3,000 feet overall. It contains 10 major buildings and approximately 30 minor buildings. The major buildings have a total roof coverage of about 668,000 square

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feet. Significant facilities include fabrication and assembly buildings, a newly built high-bay building, shops, a possible laboratory building, and storage buildings. The area is served by a rail spur which enters from the missile plant. Approximately 45 cylindrical objects (60 by 10-15 feet) are stored alongside the rail spur.

The bulk of this installation was built [redacted] [redacted] However, there have been significant additions [redacted] and con-

struction was still in progress [redacted] The most significant additions are a high-bay building and a shop building (both completed [redacted] and a fabrication and assembly building completed [redacted] Ground scarring is observed near the shop building indicating further construction. The high-bay structure, an extension of a probable shop building, is 215 by 80 feet and is 80 feet high. It could be used for assembly or checkout purposes.

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REFERENCES

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MAPS OR CHARTS

ACIC. US Air Target Chart, Series 200, Sheet 0167-5A, 1st ed, Apr 56, scale 1:200,000 (SECRET)

ACIC. US Air Target Mosaic, Series 50, Sheet 0167-5 32MA, 2d ed, Apr 59, scale 1:50,000 (SECRET)

DOCUMENTS

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2. CIA. OSI-C-RA '60-2, *Scientific Research Institute and Experimental Factory 88 for Guided Missile Development, Moskra Kaliningrad*, 4 Mar '60 (SECRET)

RELATED DOCUMENT

NPIC. R-51 '63, *Moskra Guided Missile Plant and Experimental Station, Kaliningrad 88*, Apr 63 (TOP SECRET)

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REQUIREMENT

CIA. C-RR4-81,679

NPIC PROJECT

N-864 '64 (partial answer)

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